

AMENDMENTS TO THE SPECIFICATION

Please replace paragraph 0033 with the following replacement paragraph, which is annotated to show the changes relative to original paragraph 0033:

[0033] Thin hydrogen separation membranes and methods for making same are provided herein. Such membranes can be coated/disposed on porous substrates which are useful in membrane reformers. These reformers can be integrated with proton exchange membrane (PEM) fuel cells to form power systems. Exemplary hydrogen generation apparatus and methods for producing hydrogen from various sources (e.g. hydrocarbons, ammonia, etc.) are described in published International Applications WO 02/086987, filed April 23, 2002 and entitled “Hydrogen Generation Apparatus and Method for Using Same” and in WO 02/07145, filed March 4, 2002 and entitled “Ammonia-Based Hydrogen Generation Apparatus and Method for Using Same”, both herein incorporated by reference in their entirety. The hydrogen membrane reactor described therein can utilize the hydrogen separation membranes provided by the present disclosure. Features of an exemplary embodiment of a hydrogen membrane reactor are discussed in published application WO 02/086987 and are depicted in Figs 2-5 therein, for example. Additional exemplary reformers that utilize hydrogen separation membranes are known to those of ordinary skill in the art, and may utilize the hydrogen separation membranes provided by the present disclosure.